

1086-00-1329

**Terence Tao\*** ([mk1@ams.org](mailto:mk1@ams.org)). *Random Matrices: The Universality phenomenon for Wigner ensemble*. Preliminary report.

We survey recent progress on rigorously establishing the universality of various spectral statistics of Wigner Hermitian random matrix ensembles, focusing on the Four moment theorem and its applications, including the universality of the sine-kernel and Central limit theorem for various parameters. (Received September 21, 2012)